

DAIRY WASTE MANAGEMENT**NRCS-NJ DATA SHEET**

Landowner: _____

Date: _____

County: _____ Twp: _____

Completed By: _____

HERD MAKEUP¹	Milkers		Dry Cows		Bred Heifers		Yearlings		Young Stock
Number of Head	_____	ea	_____	ea	_____	ea	_____	ea	_____
Weight, Avg	_____	lb	_____	lb	_____	lb	_____	lb	_____
Housing Location ²	_____		_____		_____		_____		_____

BEDDING INFORMATION:

For each housing location, indicate the type of bedding. See bedding chart on the reverse.

Amount & Units may be number of square bales per day, round bales per week, or cubic yards per month.

	Housing Location	Bedding Type (Pg 2)	Amount & Units	Size or Weight of Bale
1.				
2.				
3.				
4.				

DESCRIPTION OF FACILITY:

Housing	<input type="checkbox"/> Stanchion	<input type="checkbox"/> Tie stall	<input type="checkbox"/> Free stall
Stalls & Gutters	<input type="checkbox"/> Bedded Stalls	<input type="checkbox"/> Mats in stalls	<input type="checkbox"/> Mats & Grates
Gutter System	<input type="checkbox"/> Chain	<input type="checkbox"/> Shuttle Stroke	<input type="checkbox"/> No Gutters
Waste Handling Existing	<input type="checkbox"/> Spreads Daily	<input type="checkbox"/> Short term stacking	<input type="checkbox"/> Existing Storage
Equipment Available	<input type="checkbox"/> Skid Steer	<input type="checkbox"/> Tractor Loader	<input type="checkbox"/> Front End Loader
Manure Spreader ³	<input type="checkbox"/> Box Spreader	<input type="checkbox"/> Side Slinger	<input type="checkbox"/> Tank Spreader
Milking System	<input type="checkbox"/> Pipeline	<input type="checkbox"/> Parlor	<input type="checkbox"/> Portable
Milk Pick-Up	<input type="checkbox"/> Daily	<input type="checkbox"/> Every Other Day	<input type="checkbox"/> Other:
Site Limitations	<input type="checkbox"/> Shallow Bedrock	<input type="checkbox"/> High Groundwater	<input type="checkbox"/> Floodplain
Impervious Area	<input type="checkbox"/> None to storage	<input type="checkbox"/> Yes	<input type="checkbox"/> Area =
Preferred System	<input type="checkbox"/> Solid or Compost	<input type="checkbox"/> Slurry	<input type="checkbox"/> Solid Separation
Storage Period ⁴	<input type="checkbox"/> 60 <input type="checkbox"/> 90	<input type="checkbox"/> 120 <input type="checkbox"/> 150	<input type="checkbox"/> 180 Days

¹ See typical herd make-up on reverse as entered in the AWM program.² Housing Location: Label structure where the animal type is housed or sheltered. For dairy animals: Dairy Barn, Main Barn, Stanchion Barn, Freestall. For other animals: Small Barn, Heifer Barn, Calf Barn, Freestall, Run-in Shed, Hutches, etc.³ Capacity of spreader and estimate of loads per day is helpful.⁴ Proposed storage period should be based on a nutrient management plan.

Animals

Enter quantity and average weight of animals:

Animal	Quantity	Weight lbs	Manure cu.ft/day/AU	VS lbs/day/AU	TS lbs/day/AU	Manure cu.ft/day	VS lbs/day	TS lbs/day
Dry	25	1200	1.40	8.10	9.50	42.00	243.00	285.00
Heifer	80	1000	1.32	7.77	9.14	105.60	621.60	731.20
Lactating	110	1400	1.50	8.50	10.00	231.00	1309.00	1540.00
Yearlings	42	700	1.30	7.77	9.14	38.22	228.44	268.72
Young	15	400	1.30	7.77	9.14	7.80	46.62	54.84
Totals	272	N/A	N/A	N/A	N/A	424.62	2448.66	2879.76

AU = 1000 lbs of Animal Unit VS = Volatile Solids TS = Total Solids

Add Animal Help OK

Edit Bedding Data

Column Header Descriptions and Units

Name - Bedding Name
 Density - Density of Bedding (lbs/cu. ft)
 Eff. Density - Effective Density (Density of Smashed Bedding - lbs/cu.ft)

Add Bedding to Database

Name: Add Help

Name	Density	Eff. Density
▶ Cornstalks (shredded)	4.50	11.25
Ground Limestone	100.00	100.00
Legume Hay (chopped)	6.50	13.00
Legume Hay (loose)	4.25	8.50
Nonlegume Hay (chopped)	6.00	12.00
Nonlegume Hay (loose)	4.00	8.00
Sand	105.00	105.00
Sawdust / Shavings	10.50	15.75
Soil	75.00	75.00
Straw - Oats (baled)	7.50	18.75
Straw - Wheat (baled)	6.00	13.20
Straw (baled)	4.50	9.00
Straw (chopped)	7.00	14.00
Straw (loose)	2.50	5.00
Wood Chips	9.00	18.00
Wood Shavings	9.00	18.00

AWFMEH Table 4-4	Typical Bedding Volumes (lb/d/1000#)		
Material	Stanchion	Freestall	Loose Housing
Loose hay or straw	5.4		9.3
Chopped hay or straw	5.7	2.7	11.0
Shavings or Sawdust		3.1	
Sand, soil or limestone		1.5	